

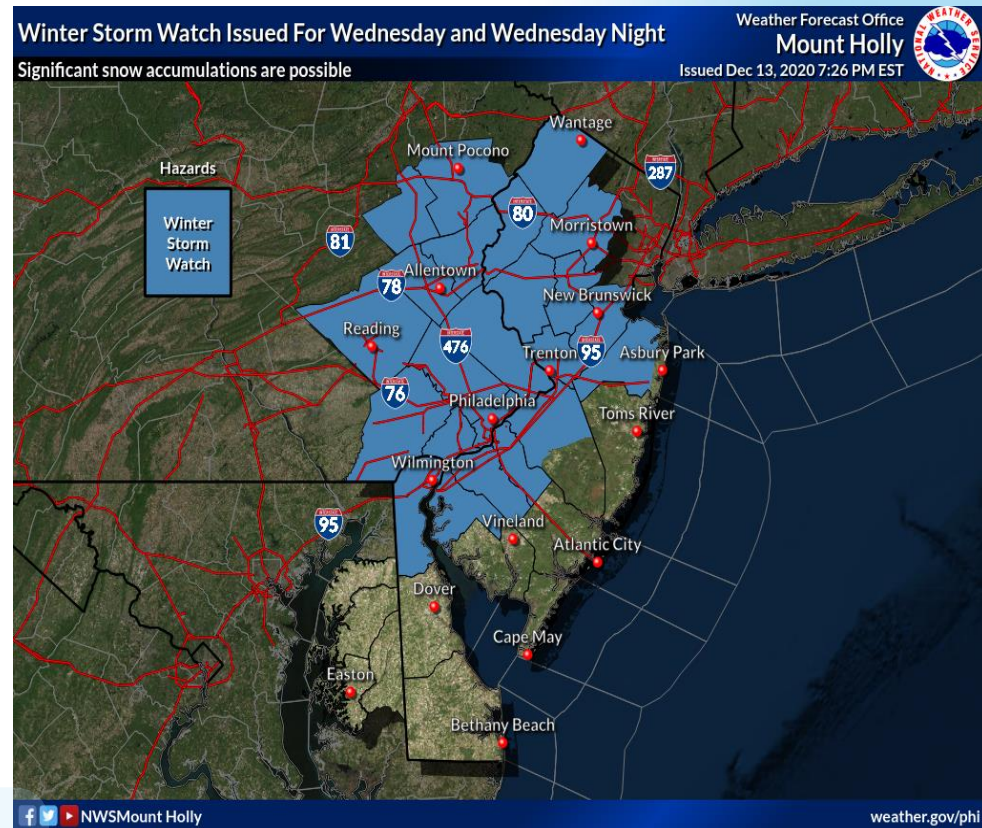
# Mid December Snows

## Decision Support Briefing #5 As of: 6 am, 12/14/2020




### What Has Changed?





- ✓ *First Snow Total Graphic for the Wednesday system.*
- ✓ *Potential for moderate Coastal Flooding Thursday AM*



## Main Points – Monday Storm

Hazard	Impacts	Location	Timing
Snow 	Light snow will likely accumulate.	The Poconos and portions of Berks county, the Lehigh Valley & NW New Jersey	Monday morning through Monday afternoon

## Main Points – Wednesday Storm

Hazard	Impacts	Location	Timing
Snow 	Potentially heavy snow with significant accumulations.	Areas from the urban corridor around I-95 north and west.	Wednesday through Wednesday night.
Coastal Flooding 	Minor-Moderate Tidal Flooding will be possible with a period of strong NE Flow and being only two days removed from a New Moon.	All tidal locations, but most significant tidal flooding possible on Atlantic coastline .	Wednesday into Thursday.
Marine 	Gale force northeasterly winds with seas building to 10-13 feet for the Atlantic waters and 4-5 feet on the Delaware Bay.	All of the Atlantic waters of DE and NJ along with the Delaware Bay.	Wednesday into Thursday with the most treacherous conditions likely Wednesday night into Thursday morning.
Winds 	Gusty northeasterly winds of 25 - 35 mph, with gusts as high as 40 - 50 mph along the Atlantic coastline.	Coastal locations.	Wednesday through Wednesday night.

## Summary of Greatest Impacts - Monday



**Snow: Poconos, Lehigh Valley, and NW New Jersey**

None

Limited

Elevated

Significant

Extreme



## Summary of Greatest Impacts - Wednesday



**Snow: Areas along the I95 corridor North and West**

None

Limited

Elevated

Significant

Extreme



**Wind: Coastal Locations**

None

Limited

Elevated

Significant

Extreme



**Coastal Flooding: Tidal Coastal Areas**

None

Limited

Elevated

Significant

Extreme



**Marine: Atlantic Waters including the DE Bay**

None

Limited

Elevated

Significant

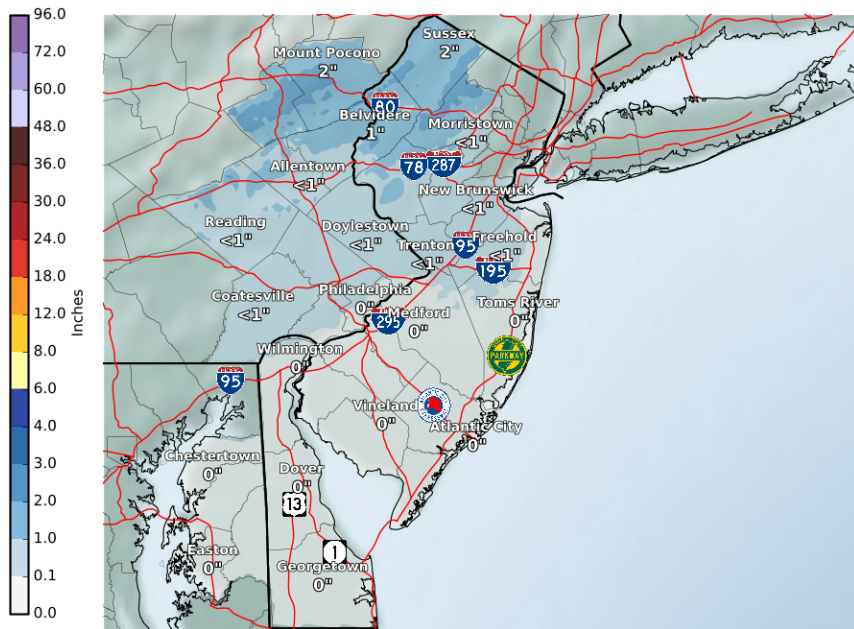
Extreme





# Expected Snowfall Accumulation – Monday's Storm

**Expected Snowfall - Official NWS Forecast**  
Valid: 12/14/2020 07:00 AM - 12/14/2020 07:00 PM



**National Weather Service**  
Mount Holly, NJ  
12/14/2020 04:29 AM EST

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## Uncertainty in Snowfall Forecast:

- ✓ Confidence is fairly high regarding light measurable snowfall over the Poconos, Berks county, and portions of the Lehigh Valley.
- ✓ The afternoon commute is likely to be impacted over these regions.
- ✓ Snow could mix with rain over the I-95 corridor, but accumulations are not expected.

Impacts ↑	Extreme			
	Significant			
	Elevated			
	Limited			X
	None			
		Low	Moderate	High
		Confidence →		



# Probabilistic Snowfall Forecast – Monday Storm

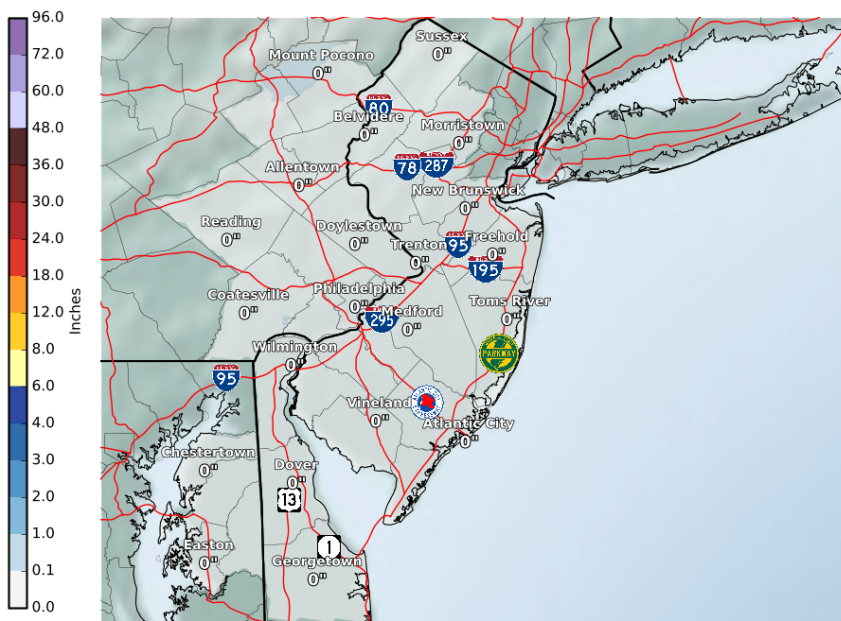
## Low End Potential

**9 in 10 (90%) Chance of Higher Snowfall Than Depicted Below**

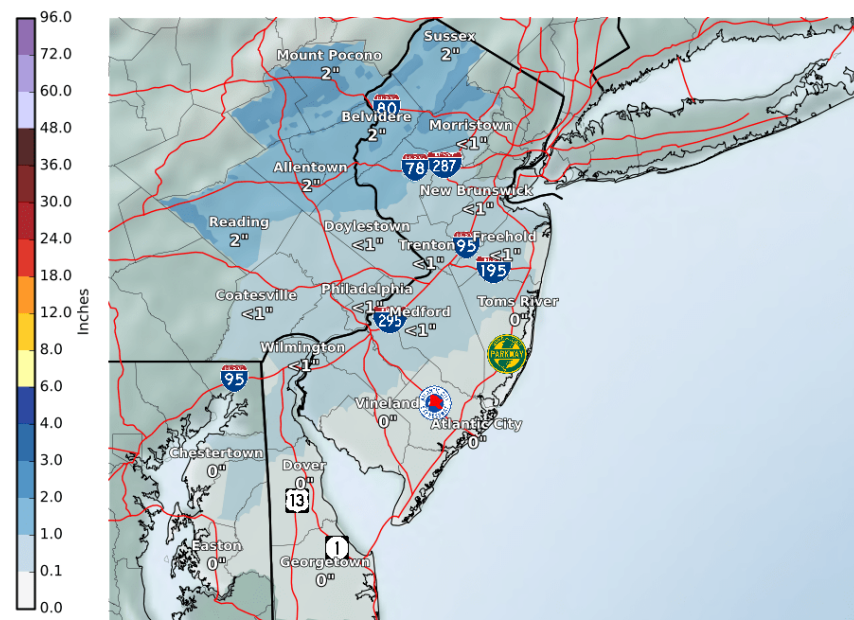
## High End Potential

**1 in 10 (10%) Chance of Higher Snowfall Than Depicted Below**

**Low End Amount - 9 in 10 Chance (90%) Of Higher Snowfall**  
Valid: 12/14/2020 07:00 AM - 12/14/2020 07:00 PM



**High End Amount - 1 in 10 Chance (10%) Of Higher Snowfall**  
Valid: 12/14/2020 07:00 AM - 12/14/2020 07:00 PM



**National Weather Service**  
Mount Holly, NJ  
12/14/2020 04:29 AM EST

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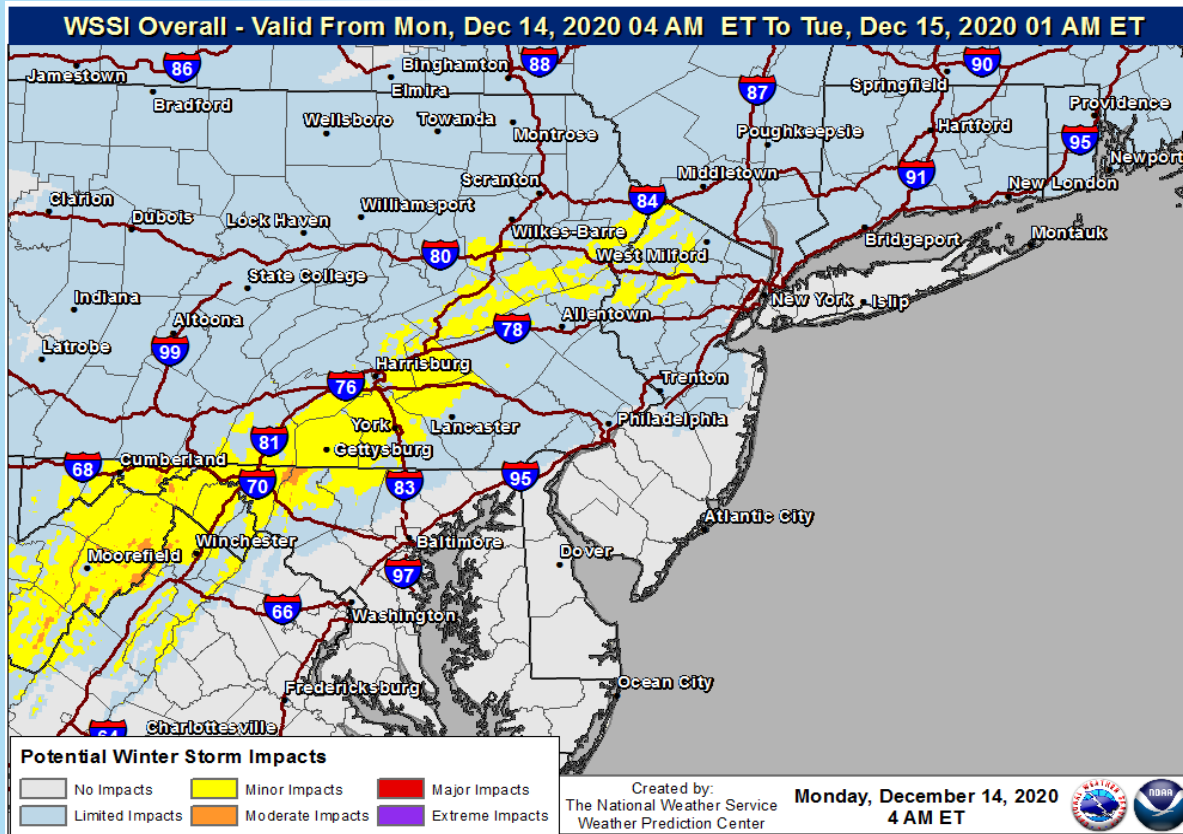


**National Weather Service**  
Mount Holly, NJ  
12/14/2020 04:30 AM EST

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# Winter Storm Severity Impact – Monday's Storm



## Potential Winter Storm Impacts

No Impacts	Impacts not expected.
Limited Impacts	Rarely a direct threat to life and property. Typically results in little inconveniences.
Minor Impacts	Rarely a direct threat to life and property. Typically results in an inconvenience to daily life.
Moderate Impacts	Often threatening to life and property, some damage unavoidable. Typically results in disruptions to daily life.
Major Impacts	Extensive property damage likely, life saving actions needed. Will likely result in major disruptions to daily life.
Extreme Impacts	Extensive and widespread severe property damage, life saving actions will be needed. Results in extreme disruptions to daily life.

## This product incorporates potential impacts from:

- ✓ Snow Accumulation
- ✓ Snow Load
- ✓ Ice Accumulation
- ✓ Flash Freeze
- ✓ Blowing Snow
- ✓ Ground Blizzard

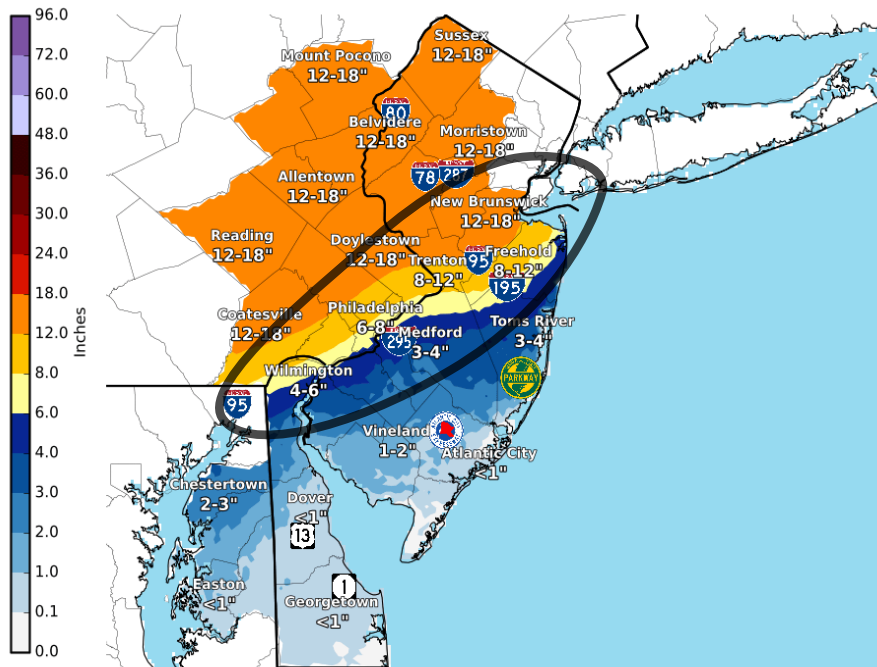
*More info available at:*

[www.wpc.ncep.noaa.gov/wwd/wssi/wssi.php?id=PHI](http://www.wpc.ncep.noaa.gov/wwd/wssi/wssi.php?id=PHI)



# Expected Snowfall Accumulation – Wednesday's Storm

**Expected Snowfall - Official NWS Forecast**  
Valid: 12/16/2020 07:00 AM - 12/17/2020 01:00 PM EST



**National Weather Service**  
Mount Holly, NJ  
12/14/2020 04:36 AM EST

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## Uncertainty in Snowfall Forecast:

- ✓ Confidence is higher over interior eastern PA and NW NJ of significant snow totals.
- ✓ Confidence is much lower near the I-95 corridor (circled region), as snow amounts will be highly dependent upon if the snow changes over or mixes with rain or sleet
- ✓ The Wednesday afternoon commute is likely to be impacted.

Impacts ↑	Extreme			
	Significant		X	
	Elevated			
	Limited			
	None			
		Low	Moderate	High
		Confidence →		

*In general, confidence is high in event occurring, however confidence is low on exactly where the highest snow totals will set up*



## Event Summary

- ✓ Two different winter storms expected.
  - ✓ Today's storm should bring light snowfall to the Poconos and portions of the Lehigh Valley and northwest New Jersey.
  - ✓ The Wednesday storm will likely bring significant snowfall to portions of the region, with highest confidence in significant snowfall for areas North and West of I-95. Gusty coastal/marine winds and coastal flooding will also be possible Wednesday into Thursday.
  - ✓ A Winter Storm Watch is now in effect for portions of the area Wednesday into Thursday morning.
- ✓ For the Wednesday storm, the combination of gusty winds, significant snow, and high moisture content of the snow will have the potential to cause power outages and will likely impact at least the afternoon commute.

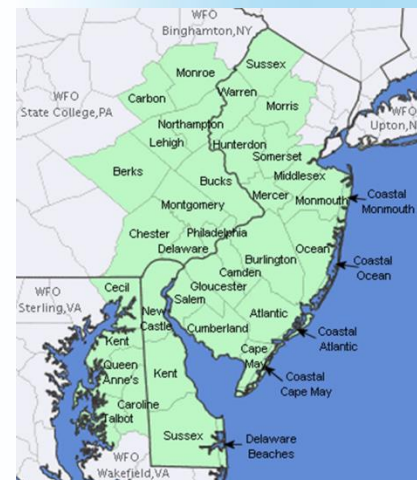


# Contact and Next Briefing Information



**Next Briefing**  
**When:** 6 pm 12/14/2020

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